SEQUENCE LISTING

<110> Two Cells. Co. Ltd

<120> Bactericide against Streptococcus mutans and Streptococcus sobrinus

<130> PFS04-421PCT

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<170> PatentIn version 3.1

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Ala Ser Glu Val Ile Ser Ser Asp Ala Thr Ser Val Ser Glu Leu Pro
            35   40   45

Ala Thr Thr Ala Gln Ile Ser Gln Glu Val Arg Asn Asn Gly Gln Asp
        50   55   60

Ser Thr Ile Gln Leu Gln Gln Thr Gln Glu Gln Ser Asp Pro Ile Thr
65   70   75   80

Ser Thr Ser Glu Thr Thr Val Ser Ser Met Lys Ala Val Thr Asn Gly
                85   90   95

Ser Pro Ala Lys Ala Asn Glu Thr Glu Thr Val Pro Ser Gln Ala Ser
                100   105   110

Thr Ala Ser Ser Val Gln Thr Pro Asp Gln Ile Ser Thr Val Pro Ser
            115   120   125

Val Lys Ala Glu Thr Thr Ser Thr Ala Asp Gln Leu Gln Ser Thr Ser
        130   135   140

Ser Ala Pro Leu Asp Gln Gln Thr Asp Ala Lys Arg Leu Ser Asn Lys
145   150   155   160

Met Thr Pro Ala Ser Ser Val Gln Ala Arg Ser Ser Leu Thr Gln Asp
                165   170   175

Lys Gln Val Gln Ala Gln Glu Val Thr Ser Ala Val Val Glu Glu Lys
                180   185   190

Gly Ile Lys Leu Gln Tyr Asn Gly Gln Ile Ala Arg Asn Thr Lys Ile
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Gln Phe Ala Val Trp Ser Ala Arg Asn Asp Gln Asp Asp Leu Gln Trp
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Tyr Thr Ala Asn Asn Met Gly Ala Ala Tyr Ala Glu Phe Lys Asn His

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225   230   235   240

Arg Glu Tyr Gly Thr Tyr Tyr Val His Thr Tyr Ala Asn Gln Asn Gly
            245   250   255

Lys Met Ile Gly Leu Asn Ala Thr Thr Leu Thr Ile Ala Gln Pro Gln
            260   265   270

Val Gln Thr Asn Ile Gln Arg Lys Ser Ala Thr Asn Phe Glu Leu Thr
            275   280   285

Val Ser Asn Val Pro Asn Thr Ile Ser Ser Ile Met Val Pro Val Trp
            290   295   300

Ser Asp Gln Asn Gly Gln Asp Asp Ile Lys Trp Tyr Asn Ala Arg Lys
305   310   315   320

Ala Asp Asp Gly Ser Tyr Lys Ala Leu Ile Asp Thr Lys Asn His Lys
            325   330   335

Asn Asp Leu Gly His Tyr Glu Ala His Ile Tyr Gly Tyr Ser Thr Val
            340   345   350

Thr Gln Ser Gln Ile Gly Leu Ala Val Ser Ser Gly Phe Asp Arg Asn
            355   360   365

Asp Thr Arg Pro Asn Ala Arg Ile Ser Val Ala Asp Tyr Asp Gln Asn
            370   375   380

Lys Thr Thr Phe Asp Val Val Val Glu Gly Ser Ser Asp Thr Lys Thr
385   390   395   400

Val Ser Ala Val Asn Ile Ala Val Trp Ser Glu Asp Lys Gly Gln Asp
            405   410   415

Asp Leu Lys Trp Tyr Ser Pro Lys Ile Val Asn Asn Lys Ala Thr Val
            420   425   430

Thr Ile Asn Ile Ala Asn His Ser Asn Thr Ser Asp Lys Tyr Asn Val
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His Val Tyr Thr Asp Tyr Thr Asp Gly Thr His Ser Gly Thr Ile Leu
    450   455   460

Gly Ala Tyr Gln Ile Asn Lys Pro Leu Glu Lys Asn Thr Val Ser Ala
465   470   475   480

Asp Leu Thr Ser Asp Gly Ile Ala Leu Lys Leu Asp Ser Asn Thr Val
            485   490   495

Thr Asp Tyr Thr Lys Val Arg Phe Ala Val Trp Ser Asp Gln Asn Gly
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Gln Asp Asp Leu Lys Trp Tyr Ser Ala Asn Ser Asp Gly Ala Ala Thr
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Ala Ala Tyr Ser Asn His Ser Gly Tyr Gly Leu Tyr His Ile His Thr

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Tyr Ile Ile Lys Asp Gly Glu Met Val Gly Leu Asn Gly Arg Thr Ile
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Thr Ile Asn Gln Pro Ser Ala Lys Val Asp Ile Ala Lys Glu Ser Asp
                565   570   575

Ala Leu Tyr Lys Val Thr Val Ser Asn Leu Pro Ala Tyr Ile Ser Ser
            580   585   590

Val Ala Ile Pro Val Trp Thr Asp Lys Asn Asn Gln Asp Asp Ile Gln
        595   600   605

Trp Ile Leu Ala Thr Lys Gln Gly Asp Gly Thr Tyr Ala Ala Gln Ile
    610   615   620

Gln Leu Ala Asp His Asn Gly Glu Thr Gly His Tyr Asn Val His Val
625   630   635   640

Tyr Gly Gln Ser Lys Phe Asp Asn Lys Thr Val Gly Leu Ala Ala Thr
            645   650   655

Asp Gly Phe Asn Val Ala Glu Thr Arg Asn Ala Val Ile Ala Ala Ser
            660   665   670

Asn Tyr Asn Ala Ser Ala Gly Thr Ile Asp Met Ile Val Lys Gln Glu
            675   680   685

Ala Gly Gly Lys Ala Ile Lys Glu Val Arg Ile Ala Ala Trp Ser Glu
    690   695   700

Ala Asp Gln Ser Asn Leu His Trp Tyr Val Ser Ser Thr Ile Ile Asp
705   710   715   720

Gly Lys Val Thr Val Thr Ile Asn Glu Lys Asn His Gln Tyr Ile Lys
            725   730   735

Gly Asn Tyr Asn Ile His Val Tyr Val Asp Tyr Thr Asp Gly Thr Ser
            740   745   750

Ser Gly Thr Asn Ile Gly Asn Tyr Ser Leu Asn Ala Asp Lys Pro Ala
            755   760   765

Val Ala Leu Pro Ser Tyr Phe Ile Asp Ile Ser Ser His Asn Gly Ile
    770   775   780

Ile Ser Val Ala Glu Phe Asn Ser Leu Lys Gln Gln Gly Ile Gln Gly
785   790   795   800

Val Val Val Lys Leu Thr Glu Gly Thr Ser Tyr Ile Asn Pro Tyr Ala
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Ser Ser Gln Ile Ala Asn Ala Arg Ala Ala Gly Ile Lys Val Ser Ala
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Tyr His Tyr Ala His Tyr Thr Ser Ala Ala Gly Ala Gln Glu Glu Ala

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Arg Tyr Phe Ala Asn Ala Ala Arg Ser Phe Gly Leu Glu Ala Ser Thr
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Val Met Val Asn Asp Met Glu Glu Ser Ser Met Val Asn Asn Ile Asn
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Asn Asn Val Gln Ala Trp Gln Asp Glu Met Arg Arg Gln Gly Tyr Ser
                885             890                 895

Asn Leu Ile His Tyr Thr Met Ala Ser Trp Leu Asp Ile Arg Gly Gly
            900             905             910

Gln Val Asp Thr Ala Arg Phe Gly Ile Asn Asn Phe Trp Val Ala His
        915             920             925

Tyr Ala Lys Gly Tyr Thr Tyr Met Thr Gln Glu Glu Ala Lys Ser Leu
    930             935             940

Asn Tyr Tyr Ala Asn Ala Ala Ala Trp Gln Tyr Thr Ser Val Ser Ser
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Lys Leu Ser His Ala Leu Asp Glu Asn Ile Asp Tyr Thr Gly Arg Phe
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Thr Gln Gln
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